

- Application of acid base analysis to waste from base metal & precious metal mine
- Geo membrane liner & heap pad evaluation.
- Predicting the impact of disposal of mining & processing wastes.
- 1991 Cost analysis for treating AMD
- Chapter 23 Evaluation of Acid preventative techniques
- Constructed wetlands for waste water treatment
- Passive treatment of metals mine drainage
- 3 ring binder (blue) – Brohm mining Corp conditions, findings & conclusions. 1993. Information regarding Lacana & Gilt Edge Inc.
- 3 ring binder – Brohm 1996 Leach pad - leak response action plan.
- 3 ring binder – Brohm Oxide Permit for Gilt Edge Mine – Permit 439. Includes affected claim list, adjacent ownership. Vegetation, wildlife, aquatic biology/habitat, cultural resources & geotechnical surveys.

New Box #19

(From Original Box #69)

- Gilt Edge Expansion Project - 1989
- Surveying folder

New Box #20

(From Original Box #17)

- Brohm Mining Corporation, Gilt Edge Project Environmental Compliance Plan. Prepared for Brohm by Bateman Engineers, Inc. issued in 1987. Various process diagrams appended.
- Folder – EPA Preservation Methods – information from drinking water manual
- Folder – Expansion-EIS-CEE – Correspondence b/w Brohm and DWRN regarding Lost Gulch Refuge and Anchor Hill Lookout site, EIS, and Cumulative Environmental Evaluation.
- Folder – Conservation Trees – temper the wind
- Folder - TIPS – copies of the Technical Information Project publication 1991
- Folder – ACT – Action for the Environment: Suggested Acreage Regulation
- Folder – Lawrence Conservation District – Flyers/newsletters from the Lawrence Conservation District and internal Brohm memos regarding the newsletters. Vegetation order forms. 1991.
- Folder - Elk Creek Conservation District – Board of Supervisors Meeting notes 1991
- Folder – DWRN Newsletter – Water and the Environment Today. 1990.
- Folder – Burn Permit #503-504 – SD Dept. of Agriculture, Division of Forestry – Guidelines for minimum acceptable safety requirements for outdoor incinerators and handwritten notes.
- Folder – TR Spent Ore – Mix – Mid-Continent lab results, internal Brohm correspondence, ASCI contractor for spent ore/waste rock geochemistry analysis, heap statistics. 1992.
- Mid-Continent lab results

- Folder – Neut Spill 7/19/1990, Cell 6 + 2 7/30/1990 – Correspondence b/w Brohm and the DWNr and completed Technical Response Memorandum #2 – Accidental Chemical and Petroleum Product Release reports.
- Folder – USFS – Letter from USFS to Brohm regarding the Best Minerals Management Practices regarding road construction on steep slopes. 1993.
- Folder – SD Forestry-Trees – Information regarding tree planting on reclaimed land (forum). 1991.
- Folder – State Health Lab – state health lab results show that the water from onsite private wells is unsafe to drink. 1990.
- Folders – Wildlife Mitigation – Correspondence b/w Brohm and Department of Game, Fish and Parks regarding wildlife and mortality. 1989. Photographs of wooded areas (aspen/birch, pine trees, and groundcover). Ruth Hawkin's property as mitigation site. Pond covers.
- Folder – O.T. Marty – time off requests and employee lists
- Folder – Wildlife Mortality – Correspondence b/w Brohm and Department of Game Fish and Parks regarding wildlife mortality onsite. 1991. Letter from USFWS stating that Brohm's delay in re-netting the surge pond is in direct violation of the Migratory Bird Act since pond is known to contain elevated levels of sodium cyanide – a toxin that kills wildlife -1990. Copy of the Migratory Bird Act.
- / - Folder – SD Department Game, Fish, and Parks – Guidelines for wildlife monitoring, correspondence b/w the agency, Brohm, and the South Dakota Mining Association.
- Folders – Professional Services Agreement, Topsoil-Slash in waste dumps, Staff Meetings, Daily Diary, Well Coordinates, Press Releases (leach pad leak and water discharge), Memos File, Newspaper Articles (cyanide, leak, sabotage, Wharf, Richmond Hill, Brohm), 1990 Water Quality Bids, Water Quality Monitoring Oxide, Groundwater Discharge Permit – Raw Data (GWD 3-88), Summer Student, Loading-As-Cn-Ruby (GWD 3-88), Air Quality-corsp-Gelhaus (air quality/meteorological consulting), Air Quality (Brohm & DENR air emissions, and prospective vendors), Evaporative Gauge (instructions), Air Quality – Consultants (correspondence b/w Brohm and DENR, faxes from Bond Gold Richmond Hill, 1991), Field Notes-Tree Planting, Christen Bills, Mulchers, 1991 tree planting, seeding 1990, Vegetation data 1991, Forbs, Maintenance work orders, Correspondence (with DENR), Soils-Cn-Slash piles, GeoChem Reports 1990 for Brohm, Reporting Chart, Purchase Requisitions (1990-1992), TIPS publications, Plugging GW-13 (1990), Solid Sampling-Cells (protocol), Cell 7 lysimeters, State Reporting (Brohm and DENR correspondence regarding water quality 1990-91), LRAP-LDCRS (response action plan), Cn bacteria-Homestake spp., Water quality-Bear Butte-to DENR & USGS-hydrology study (1991), CO2 Bubbler – Tech Revision 12-90, Pump Tests, Golden C. Double Rain (1990-91), Exploration Permit (Hoodoo, 1988-90, EXNI-315, EXNI-191, EXNI-233, EXNI-258), Mid-Continent Miscellaneous, Water Quality Sampling Expansion, TCT Drilling, Effluent 3-4-5, Water Quality Sampling Sites with Parameters, Water Quality Invoices, Air Quality Emissions Test 7/92,

- Confidential Draft Brohm Mining Corporation Gilt Edge Mine Document Inventory (1986-1999)

New Box #21

(From Original Box #58)

- Folder - WAD Cyanide vs. Time graphs from the North Heap 1994, Brohm assay results, 1995 Memo - Anchor Hill Metallurgical Bids from McClelland Labs and Dawson Labs, leach pad accountability report of spent ore to pad, 1995 Dakota Mining agreement with Homestake Mining, bottle roll test, McClelland Labs 1996 report on Heap Leach Cyanidation Test work conducted at Anchor Hill (to Brohm), Brohm Slag Report, pad loading and unloading notes, H. Osborne fax, blasthole, assay, neutralization, calculations, and run of mine information, monthly metallurgical reports by Brohm, internal (Brohm) correspondence.
- Folder - Crusher Size - Remco 1992 report (sample analysis), Crusher monthly average charts, blasthole information, cyanide extraction data
- Folder - Crusher - Anchor Hill met comp bottle rolls, size vs. gold extraction rate, McClelland Lab results, bottle roll test results, internal (Brohm) correspondence regarding the crusher equipment, crusher calculations
- Folder - Precip - Data per precipitation lot. Assay results vs. tonnage. Month and day marked on tables (no year)
- Folders - Perkin Elmer Lab - Invoices from Perkin Elmer to Brohm. 1989 - 1994.
- Information regarding the crusher rehab project
- Envelop - Hazardous Materials Shipping Papers
- Folder - Department of Water and Natural Resources - correspondence b/w the DWNr and Brohm in 1988 - 1996. Regarding surge pond, earth pond, leach pad, cyanide tank, leach solution, neutralization, groundwater discharge permit, Ruby Gulch, technical revisions to the Permit #439, repair of cells, GWD 3-88, relining leach pad, replacement of piping at leach pad, Oro Fino, CO2 bubbler system, reverse osmosis, environmental audit, leach pad expansion, wildlife protection, Permit #462. Hazardous materials spill contingency plan prepared for Brohm 1988. Notice of Violation and Order from the State of SD to Brohm re: discharge of process solution to the alluvial aquifer - news releases, building permit for storage building, workers compensation case review - internal Brohm communication. Monthly reports. Brohm Mining Amendment Conditions 1988. Final copy of Brohm's Leakage Response Action Plan. Mid-Continent lab results. US FWS 1990 letters to Brohm re: surge pond, migratory birds and contact with cyanide solution. Brohm 1st Quarterly Anchor Hill Project Update. Brohm BMP 1996. Conditional use permit for Brohm from Lawrence County 1995.
- Folder - Crusher / Sulfides - 1994 Chamberlain and Associates letter regarding present crusher capacity, memo - heap leach gold extraction, Blattner notes, Sulfide Stockpile summary, load information, Dakota Mining Corporation Operating Cost reports for Gilt Edge Heap Leach Project by Roberts and Schaffer 1994, mining equipment flyer, sulfide test heap update 1993, fence work, budget